Sec. A
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# PHYSICS ABSTRACTS

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*of*

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SECTION B, ELECTRICAL ENGINEERING

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# LIST OF JOURNALS

* Indicates Journals not received regularly.

| | |
|---|---|
| Acta Physicochim. | Acta Physicochimica. Moscow. |
| *Acta Pont. Acad. Sci. | Acta Pontificia Academia Scientiarum. Città del Vaticano, Rome. |
| Acta Soc. Sci. Fennicae | Acta Societas Scientiarum Fennicae. Helsingfors. |
| *Aircr. Prod. | Aircraft Production. London. |
| Alta Frequenza | Alta Frequenza. Turin, Italy. |
| Amer. J. Phys. | American Journal of Physics. New York. |
| Amer. J. Roentgenol. and Radium Ther. | American Journal of Roentgenology and Radium Therapy. Springfield, Ill. |
| Amer. J. Sci. | American Journal of Science. New Haven, Conn. |
| *Amer. Mach., N.Y. | American Machinist. New York. |
| An. Mec. y Elect. | Anales de Mecanica y Electricidad. Madrid. |
| Analyt. Chem. | Analytical Chemistry. [*See* Industr. Engng Chem. (Analyt. Edit.).] |
| *Ann. Harv. Coll. Obs. | Annals of the Harvard College Observatory. Cambridge, Mass. |
| Ann. N.Y. Acad. Sci. | Annals of the New York Academy of Science. New York. |
| *Ann. Phys., Lpz. | Annalen der Physik. Leipzig. |
| Ann. Phys., Paris | Annales de Physique. Paris. |
| Ann. Radioélectricité | Annales de Radioélectricité. Paris. |
| Ann. Soc. Sci. Brux. | Annales de la Société Scientifique de Bruxelles. Louvain. |
| Ann. Solar Phys. Obs. | Annals of the Solar Physics Observatory. Cambridge. |
| Ann. Télécommun. | Annales des Télécommunications. Paris. |
| *Ann. Univ. Grenoble | Annales de l'Université de Grenoble. Switzerland. |
| A.R. Nat. Res. Coun. Can. | Annual Report of the National Research Council of Canada. Ottawa. |
| Arch. Sci. Phys. Nat. | Archives des Sciences Physiques et Naturelles. Geneva. |
| Ark. Kemi Min. Geol. | Arkiv för Kemi, Mineralogi och Geologi. Stockholm and London. |
| Ark. Mat. Astr. Fys. | Arkiv för Matematik, Astronomi och Fysik. Stockholm and London. |
| Asea J. | ASEA Journal. Västerås, Sweden; and London. |
| Astrophys. J. | Astrophysical Journal. Chicago. |
| Atti Accad. Naz. Lincei | Atti della Accademia Nazionale dei Lincei. Rome. |
| Atti. Accad. Torino | Atti. della R. Accademia delle Scienze, Torino. Turin. |
| *Aust. J. Instrum. Tech. | Australian Journal of Instrument Technology. Melbourne. |
| *Auto Engr | Automobile Engineer. London. |
| A.W.A. Tech. Rev. [Amal. Wireless Aust.] | Amalgamated Wireless (Australasia) Technical Review. Sydney. |
| *Basic Radio Prop. Pred. U.S. Bur. Stand. | Basic Radio Propagation Predictions. The National Bureau of Standards, Washington, D.C. |
| *B.B.C. Quart. | B.B.C. Quarterly. London. |
| B.C.U.R.A. Bull. | Monthly Bulletin of the British Coal Utilization Research Association. London. |
| Beama J. | Beama Journal. London. |
| *Bell Lab. Rec. | Bell Laboratories Record. New York. |
| *Bell Monogr. | Bell Monograph. New York. |
| Bell Syst. Tech. J. | Bell System Technical Journal. New York. |
| *Bell Teleph. Mag. | Bell Telephone Magazine. New York. |
| *BIOS Rep. | British Intelligence Objectives Sub-committee Report. H.M. Stationery Office, London; U.S. Department of Commerce, Washington, D.C. |
| *Blast. Furn. | Blast Furnace and Steel Plant. Pittsburgh. |
| Brit. J. Radiol. | British Journal of Radiology. London. |
| Brit. Med. Bull. | British Medical Bulletin. London. |
| *Brit. Stand. | British Standard. London. |
| Brown Boveri Rev. | Brown Boveri Review. London. |
| BTH Activ. [Brit. Thomson-Houston] | BTH Activities. Rugby. |
| Bull. Acad. Belge Cl. Sci. | Bulletin de la Classe des Sciences de l'Académie Royale de Belgique. Brussels. |
| Bull. Acad. Sci. URSS, Dep. Tech. Sci. | Bulletin de l'Académie des Sciences de l'URSS, Département des Techniques Scientifiques. Moscow. |
| Bull. Acad. Sci. URSS., Sér. Phys. | Bulletin de l'Académie des Sciences de l'URSS, Séries Physiques. Moscow. |
| Bull. Amer. Met. Soc. | Bulletin of the American Meteorological Society. Milton, Mass. |
| *Bull. Amer. Soc. Test. Mater. | Bulletin of the American Society for Testing Materials. Philadelphia, Pa. |
| Bull. Ass. Ing. Élect. Montefiore | Bulletin de l'Association des Ingenieurs Électriciens sortis de l'Institut Electrotechnique Montefiore. Liège, Belgium. |
| Bull. Ass. Suisse Élect. | Bulletin de l'Association Suisse des Électriciens. Zürich. |
| Bull. Astr., Paris | Bulletin Astronomique. Paris. |
| Bull. Calcutta Math. Soc. | Bulletin of the Calcutta Mathematical Society. Calcutta and Cambridge. |
| Bull. École Polyt. Jassy. | Bulletin de l'École Politechnique de Jassy Roumania. |
| Bull. Géod. | Bulletin Géodésique. Paris. |
| *Bull, Harv. Coll. Obs. | Bulletin of the Harvard College Observatory, Cambridge, Mass. |
| Bull. Instn. Radio Engrs, Aust. | Bulletin of the Institution of Radio Engineers, Australia. Sydney. |
| Bull. Math. Biophys. | Bulletin of Mathematical Biophysics. Chicago. |
| Bull. Oerlikon | Bulletin Oerlikon. London. |
| *Bull. Patna Sci. Coll. Phil. Soc. | Bulletin of the Patna Science College Philosophical Society. Patna. |
| Bull. Seism. Soc. Amer. | Bulletin of the Seismological Society of America. Berkeley, Cal. |
| Bull. Soc. Belge Élect. | Bulletin de la Société Belge des Électriciens. Marcinelle, Belgium. |
| Bull. Soc. Franç. Élect. | Bulletin de la Société Française des Électriciens. Paris. |
| Bull. Univ. Ill. Engng Exp. Sta. | Bulletin of the University of Illinois Engineering Experiment Station. Urbana, Ill. |
| Bull. U.S. Bur. Min. | Bulletin of the United States Bureau of Mines. Washington, D.C. |
| Cables et Transm. | Cables et Transmission. Paris. |
| Canad. J. Res. | Canadian Journal of Research. Ottawa. |
| Charleroi-Jeumont Rev. | Charleroi-Jeumont Review. Charleroi, Belgium. |
| *Chem. Age, Lond. | Chemical Age. London. |
| Chem. and Ind. | Chemistry and Industry. London. |
| Chem. Rev. | Chemical Reviews. Baltimore, Md. |

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| Chin. J. Phys. | Chinese Journal of Physics. Kunming. |
| Cienc. y Tecn. | Ciencia y Tecnica. Buenos Aires. |
| *CIOS Rep. | Combined Intelligence Objectives Sub-Committee Report. H.M. Stationery Office, London; U.S. Department of Commerce, Washington, D.C. |
| Circ. Univ. Ill. Engng Exp. Sta. | Circulars of the University of Illinois Engineering Experiment Station. Urbana, Ill. |
| Circ. U.S. Bur. Stand. | Circular of the United States Bureau of Standards. Washington, D.C. |
| Cirk. Telegrstyr. Tekn. Byrå. | Cirkulär från Telegrafstyrelsens Tekniska Byrå. Stockholm. |
| *Colliery Guard. | Colliery Guardian. London. |
| Colo. Sch. Min. Quart. | Colorado School of Mines Quarterly. Denver, Col. |
| Comment. Phys. Math., Helsingf. | Commentationes Physico-Mathematicae (Societas Scientiarum Fennica). Helsingfors. |
| *Comment. Pont. Acad. Sci. | Commentationes. Pontificia Academia Scientiarum. Città del Vaticano, Rome. |
| Commun. K. Onnes Lab. Leiden | Communications of the Kamerlingh Onnes Laboratory of the University of Leiden. Leiden, Holland. |
| Communications | Communications. New York. |
| *Conf. Int. Gr. Rés. Élect. [CIGRÉ] | Conférence Internationale des Grands Réseaux Électriques. Paris. |
| Contr. Dom. Obs., Ottawa | Contributions from the Dominion Observatory. Ottawa. |
| C.R. Acad. Sci., Paris | Compte Rendu Hebdomadaire des Séances de l'Académie des Sciences. Paris. |
| C.R. Acad. Sci. URSS. | Comptes Rendus de l'Académie des Sciences de l'URSS. Moscow. |
| C.R. Soc. Phys. Hist. Nat. Genève | Compte Rendu des Séances de la Société de Physiques d'Histoire Naturelle de Genève. Geneva. |
| Curr. Sci. | Current Science. Bangalore. |
| *Dep. Sci. Industr. Res. Chem. Res. Rep. | Department of Scientific and Industrial Research, Chemical Research Reports. London. |
| Dep. Sci. Industr. Res. Radio Res. Rep. | Department of Scientific and Industrial Research, Radio Research Reports. London. |
| *Distrib. Elect. | Distribution of Electricity. London. |
| Dyna | Dyna. Bilbao. |
| Econ. Pap. U.S. Bur. Min. | Economic Papers of the Bureau of Mines. Washington, D.C. |
| Econ. Proc. R. Dublin Soc. | Economic Proceedings of the Royal Dublin Society. Dublin and London. |
| *Edison Elect. Inst. Bull. | Edison Electric Institute Bulletin. Philadelphia, Pa. |
| Elect. Commun. | Electrical Communication. New York and London. |
| Elect. Engng, N.Y. | Electrical Engineering. New York. |
| *Elect. Pwr Engr | Electric Power Engineer, Manchester, England. |
| Elect. Rev., Lond. | Electrical Review. London. |
| Elect. Times | Electrical Times. London. |
| Elect. World, N.Y. | Electrical World. New York and London. |
| Electrician | Electrician. London. |
| *Électricité | Électricité. Paris. |
| Electro-techniek | Electro-techniek. The Hague. |
| Electronic Engng | Electronic Engineering. London. |
| Electronics | Electronics. New York and London. |
| *Electronics Forum | Electronics Forum. London. |
| *Electrotechnics | Electrotechnics. Bangalore. |
| *Elekt. Nachr.-Tech. [ENT] | Elektrische Nachrichten-Technik. Berlin. |
| Elektrichestvo | Elektrichestvo. Moscow. |
| Elektrotech. u. Maschinenb. [EuM] | Elektrotechnik und Maschinenbau. Vienna. |
| Elektrotech. Obz. | Elektrotechnicky Obzor. Prague. |
| *Elektrotech. Z. [ETZ] | Elektrotechnische Zeitschrift. Berlin. |
| Elektrotechnika | Elektrotechnika. Budapest. |
| Elektrotek. Tidsskr. | Elektroteknisk Tidsskrift. Copenhagen. |
| Elektroteknikeren | Elektroteknikeren. Copenhagen. |
| Elettrotecnica | Elettrotecnica. Milan, Italy. |
| Endeavour | Endeavour. London. |
| *Energia | Energia. Naples. |
| Energia Elett. | Energia Elettrica. Milan, Italy. |
| Engineer, Lond. | Engineer. London. |
| Engineering | Engineering. London. |
| Engl. Elect. J. | The English Electric Journal. Stafford, England. |
| Engng Bull. | Engineering Bulletin. London. |
| Engng J., Montreal | The Engineering Journal. Montreal. |
| *Engng Mater. | Engineering Materials. London. |
| ERA | Elektricitetens Rationella Användning. Stockholm. |
| Ericsson Rev. | Ericsson Review. Stockholm. |
| Ericsson Tech. | Ericsson Technics. Stockholm. |
| *Euclides. | Euclides. Madrid. |
| Experientia | Experientia. Basle. |
| *Festschr. Elis Strömgren | Festschrift Elis Strömgren. Copenhagen. |
| *FIAT Rep. | Field Information Agency Technical Report. H.M. Stationery Office, London; U.S. Department of Commerce, Washington, D.C. |
| *Foundry Tr. J. | Foundry Trade Journal. London. |
| Gaz. de Mat. | Gazeta de Matemática. Lisbon. |
| G.E.C.Jl [Gen. Elect. Co.] | G.E.C. Journal. London. |
| Gen. Elect. Rev. | General Electric Review. Schenectady, N.Y., and London. |
| *Gen. Radio Exp. | General Radio Experimenter. Cambridge, Mass. |
| Geofis. Pura Appl. | Geofisica Pura e Applicata. Milan. |
| Geol. Mag., Lond. | The Geological Magazine. Hertford, England. |
| Handb. U.S. Bur. Stand. | Handbook of the United States Bureau of Standards. Washington, D.C. |
| Helv. Phys. Acta | Helvetica Physica Acta. Basle. |
| *Hochfrequenztech. u. Elektroakust. | Hochfrequenztechnik und Elektroakustik. Leipzig. |

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| Illum. Engng, N.Y. | Illuminating Engineering. Baltimore, Md. |
| Indian J. Phys. | Indian Journal of Physics and Proceedings of the Indian Association for the Cultivation of Science. Calcutta. |
| Industr. Diamond Rev. | Industrial Diamond Review. London. |
| Industr. Engng Chem. | Industrial and Engineering Chemistry. Washington, D.C. |
| Industr. Engng Chem. (Analyt. Edit.) | Industrial and Engineering Chemistry (Analytical Edition). Washington, D.C. |
| Industr. Radiogr. Non-Destr. Test. | Industrial Radiography and Non-Destructive Testing. Chicago. |
| Ingeniøren. | Ingeniøren. Copenhagen. |
| IngenVetensAkad. Handl. | IngeniörsVetenskapsAkademien Handlingar. Stockholm. |
| IngenVetensAkad. Medd. | IngeniörsVetenskapsAkademien Meddelanden. Stockholm. |
| *IngenVidensk. Skr. | IngeniørVidenskabelige Skrifter. Copenhagen. |
| *Instrum. Pract. | Instrument Practice. London. |
| *Instruments | Instruments. Pittsburgh. |
| *Iron Age | Iron Age. New York. |
| *Iron and Steel | Iron and Steel. Chicago. |
| *Iron Steel Engr | Iron and Steel Engineer. Pittsburgh. |
| IVA | IngeniörVetenskapsAkademien. Stockholm. |
| J. Acoust. Soc. Amer. | Journal of the Acoustical Society of America. New York. |
| *J. Amer. Ceram. Soc. | Journal of the American Ceramic Society. Easton, Pa. |
| J. Amer. Chem. Soc. | Journal of the American Chemical Society. Easton, Pa. |
| J. Appl. Mech. | Journal of Applied Mechanics. New York. |
| J. Appl. Phys. | Journal of Applied Physics. New York. |
| J. Brit. Instn Radio Engrs | Journal of the British Institution of Radio Engineers. London. |
| J. Chem. Phys. | Journal of Chemical Physics. New York. |
| J. Chem. Soc. | Journal of the Chemical Society. London. |
| J. Electrodepos. Tech. Soc. | Journal of the Electrodepositors' Technical Society. London. |
| *J. Exp. Theor. Phys. | Journal of Experimental and Theoretical Physics. Moscow. |
| J. Franklin Inst. | Journal of the Franklin Institute of the State of Pennsylvania. Lancaster and Philadelphia, Pa. |
| *J. Indian Inst. Sci. | Journal of the Indian Institute of Science. Bangalore. |
| J. Inst. Fuel | Journal of the Institute of Fuel. London. |
| J. Inst. Met. | Journal of the Institute of Metals. London. |
| J. Inst. Petrol. | Journal of the Institute of Petroleum. London. |
| J. Instn Auto. Engrs | Journal of the Institution of Automobile Engineers. London. |
| J. Instn Civ. Engrs | Journal of the Institution of Civil Engineers. London. |
| J. Instn Elect. Engrs | Journal of the Institution of Electrical Engineers. London. |
| J. Instn Engrs, Aust. | Journal of the Institution of Engineers, Australia. Sydney. |
| J. Instn Mech. Engrs, Lond. | Journal and Proceedings of the Institution of Mechanical Engineers. London. |
| *JIOA | Joint Intelligence Objectives Agency. H.M. Stationery Office, London; U.S. Department of Commerce. Washington, D.C. |
| J. Iron Steel Inst. | Journal of the Iron and Steel Institute. London. |
| J. Jr. Instn Engrs | Journal of the Junior Institution of Engineers. London. |
| J. Math. Phys. | Journal of Mathematics and Physics. Cambridge, Mass. |
| J. Met. | Journal of Meteorology. Lancaster, Pa. |
| *J. Miner. Soc. Amer. | Journal of the Mineralogical Society of America. Washington, D.C. |
| J. Opt. Soc. Amer. | Journal of the Optical Society of America. New York. |
| J. Phys. Coll. Chem. | Journal of Physical and Colloid Chemistry. Baltimore, Md, and London. |
| J. Phys. Radium | Journal de Physique et le Radium. Paris. |
| J. Phys., USSR. | Journal of Physics. Moscow. |
| *J. Proc. Roy. Soc. N.S.W. | Journal and Proceedings of the Royal Society of New South Wales. Sydney. |
| J.R. Astr. Soc. Can. | Journal of the Royal Astronomical Society of Canada. Toronto. |
| J.R. Soc. Arts | Journal of the Royal Society of Arts. London. |
| J. Radiol. Électrol. | Journal de Radiologie et d'Électrologie. Paris. |
| J. Res. Nat. Bur. Stand., Wash. | Journal of Research of the National Bureau of Standards. Washington, D.C. |
| J. Sci. Instrum. | Journal of Scientific Instruments. London. |
| J. Soc. Chem. Ind., Lond. | Journal of the Society of Chemical Industry. London. |
| J. Soc. Dy. Col., Bradford | Journal of the Society of Dyers and Colourists. Bradford. |
| J. Soc. Glass Tech. | Journal of the Society of Glass Technology. Sheffield. |
| J. Tech. Phys., USSR. | Journal of Technical Physics, USSR. Moscow. |
| *J. Télécommun. | Journal des Télécommunications. Berne. |
| J. Televis. Soc. | Journal of the Television Society. London. |
| J. Text. Inst., Manchr | Journal of the Textile Institute. Manchester. |
| J. Univ. Bombay | Journal of the University of Bombay. Bombay. |
| J. Wash. Acad. Sci. | Journal of the Washington Academy of Sciences. Menasha, Wis. |
| JOEL | Jodbrukarens Elektriska Blat. Stockholm. |
| K. Danske Vidensk. Selsk. Mat-fys. Medd. | Det Kgl. Danske Videnskabernes Selskab. Matematisk-fysiske Meddelelser. Copenhagen. |
| K. Fysiogr. Sällsk. Lund, Förh. | Kungliga Fysiografiska Sällskapets i Lund Förhandlingar. Lund, Sweden. |
| K. Norske Vidensk. Selsk. Forh. | Det Kgl. Norske Videnskabers Selskabs Forhandlinger. Trondheim |
| K. Norske Vidensk. Selsk. Skr. | Det Kgl. Norske Videnskabers Selskabs Skrifter. Trondheim. |
| Kraft Ljus | Kraft och Ljus. Helsinki. |
| La Tech. Mod. | La Technique Moderne. Paris. |
| Le Vide | Le Vide. Paris. |
| Light and Ltg | Light and Lighting. London. |
| Lunds Univ. Årsskr. | Lunds Universitets Årsskrift. Lund, Sweden. |
| *Mach. Lloyd | Machinery Lloyds. London. |
| *Machinist | Machinist. London. |
| Marconi Instrum. | Marconi Instrumentation. St. Albans, Herts, England. |
| *Marconi Rev. | Marconi Review. London. |
| *Mater. and Meth. | Materials and Methods. New York. |
| *Math. Phys. Soc. Egypt, Proc. | Proceedings of the Mathematical and Physical Society of Egypt. Cairo. |

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| Mech. Engng, N.Y. | Mechanical Engineering. New York. |
| Mem. Manchr. Lit. Phil. Soc. | Memoirs and Proceedings of the Manchester Literary and Philosophical Society. Manchester. |
| *Met. Ann. | Meteorologiske Annaler. Oslo. |
| *Metal Finish | Metal Finishing. Pittsburgh. |
| *Metal Ind., Lond. | Metal Industry. London. |
| *Metal Progr. | Metal Progress. Cleveland, Ohio. |
| *Metallurgia, Manchr | Metallurgia. Manchester. |
| Metrop.-Vick. Gaz. | Metropolitan-Vickers Gazette. Manchester. |
| *Min. Bull. Univ. Durham | Durham University. King's College Mining Bulletin. Durham. |
| Min. Elect. Mech. Engr | Mining Electrical and Mechanical Engineer. Manchester. |
| *Miners' Circ., Wash. | Miners' Circular. The United States Department of the Interior. Washington, D.C. |
| Mines Mag. | Mines Magazine. Denver, Col. |
| Misc. Publ. U.S. Bur. Stand. | Miscellaneous Publications of the National Bureau of Standards. Washington, D.C. |
| Mod. Refrig. | Modern Refrigeration. London. |
| Mon. Not. R. Astr. Soc. | Monthly Notices of the Royal Astronomical Society. London. |
| Mon. Not. R. Astr. Soc., Geophys. Suppl. | Monthly Notices of the Royal Astronomical Society, Geophysical Supplement. London. |
| *Mot. Ship | Motor Ship. London. |
| Muirhead Tech. | Muirhead Technique. Beckenham, Kent. |
| Nachr. Wiss. Göttingen | Nachrichten von der Gesellschaft der Wissenschaften zu Göttingen. Göttingen, Germany. |
| Nature, Lond. | Nature. London. |
| Naturwissenschaften | Naturwissenschaften. Berlin. |
| Nucleonics | Nucleonics. New York and London. |
| Nuovo Cim. | Il Nuovo Cimento. Bologna. |
| N.Z. J. Sci. Tech. | New Zealand Journal of Science and Technology. Wellington. |
| Observatory | Observatory. London. |
| Occ. Not. R. Astr. Soc. | Occasional Notes of the Royal Astronomical Society. London. |
| *Oil Gas J. | Oil and Gas Journal. Tulsa, Okla. |
| Onde Élect. | Onde Électrique. Paris. |
| Öst. Ingen. Arch. | Österreichische Ingenieur Archiv. Vienna. |
| ÖTF | Österreichische Zeitschrift für Telegraphen-, Telephon-Funk-und Fernsehtechnik. Vienna. |
| Pap. Instn Post Off. Elect. Engrs | The Institution of Post Office Electrical Engineers, Printed Papers. London. |
| *Paper Tr. J. | Paper Trade Journal. New York and Chicago. |
| Phil. Mag. | The London, Edinburgh and Dublin Philosophical Magazine and Journal of Science. London. |
| Philips Res. Rep. | Philips Research Reports. Eindhoven and London. |
| Philips Tech. Rev. | Philips Technical Review. Eindhoven and London. |
| Philos. Trans. | Philosophical Transactions of the Royal Society of London. London. |
| Photogr. J. | Photographic Journal. London. |
| Phys. Bl. | Physikalische Blätter. Karlsruhe, Germany. |
| Phys. Rev. | The Physical Review. New York. |
| Physica, 's Grav. | Physica, 's Gravenhage. The Hague. |
| *Plastics | Plastics. Washington, D.C. |
| P.O. Elect. Engrs' J. | The Post Office Electrical Engineers' Journal. London. |
| Portugal. Math. | Portugaliae Mathematica. Lisbon. |
| Portugal. Phys. | Portugaliae Physica. Lisbon. |
| Power | Power. New York and London. |
| Prak. Wiss. | Praktisches Wissen. Graz, Austria. |
| Proc. Amer. Acad. Arts Sci. | Proceedings of the American Academy of Arts and Sciences. Boston, Mass. |
| Proc. Amer. Phil. Soc. | Proceedings of the American Philosophical Society. Philadelphia, Pa. |
| Proc. Camb. Phil. Soc. | Proceedings of the Cambridge Philosophical Society. London. |
| Proc. Indian Acad. Sci. | Proceedings of the Indian Academy of Sciences. Bangalore. |
| Proc. Inst. Radio Engrs, N.Y. Wav. Electrons | Proceedings of the Institute of Radio Engineers and Waves and Electrons. New York. |
| Proc. Instn Mech. Engrs | Proceedings of the Institution of Mechanical Engineers. London. |
| Proc. Instn Radio Engrs, Aust. | Proceedings of the Institution of Radio Engineers, Australia. Sydney. |
| Proc. K. Ned. Akad. Wet. | Proceedings of the Koninklijke Nederlandsche Akademie van Wetenschappen. Amsterdam. |
| Proc. Leeds Phil. Lit. Soc. | Proceedings of the Leeds Philosophical and Literary Society. Leeds. |
| Proc. Nat. Acad. Sci., Wash. | Proceedings of the National Academy of Sciences. Washington, D.C. |
| Proc. Phys. Soc., Lond. | Proceedings of the Physical Society. London. |
| Proc. R. Irish Acad. | Proceedings of the Royal Irish Academy. Dublin and London. |
| Proc. Roy. Instn | Proceedings of the Royal Institution of Great Britain. London. |
| Proc. Roy. Soc. A | Proceedings of the Royal Society of London, Series A. London. |
| Proc. Roy. Soc. Edinb. | Proceedings of the Royal Society of Edinburgh. Edinburgh and London. |
| Proc. Roy. Soc. Vict. | Proceedings of the Royal Society of Victoria. Melbourne. |
| Proc. Univ. Durham Phil. Soc. | Proceedings of the University of Durham Philosophical Society. Newcastle upon Tyne. |
| *Przegl. Elektrotech. | Przeglad Elektrotechniczny. Warsaw. |
| PTT-Bedrijf | PTT-Bedrijf. The Hague. |
| *Pubbl. Ist. Naz. Elettroacust. O.M. Corbino | Pubblicazioni del R. Instituto Nazionale di Elettroacustica O.M. Corbino. Rome. |
| Publ. Astr. Soc. Pacif. | Publications of the Astronomical Society of the Pacific. San Francisco. |
| Publ. Fac. Cienc. Fís.-Mat. La Plata | Publicaciones de la Facultad de Ciencias Físico-Matemáticas de la Universidad Nacional de la Plata. La Plata. |
| *Pwr Plant (Engng) | Power Plant Engineering. Chicago. |
| Quart. Appl. Math. | Quarterly of Applied Mathematics. Providence, R.I. |
| Quart. J. R. Met. Soc. | Quarterly Journal of the Royal Meteorological Society. London. |

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| Radio News | Radio News. Chicago. |
| Radio-Electronic Engng | Radio-Electronic Engineering. Chicago. |
| Radiography | Radiography. London. |
| Radiology | Radiology. Syracuse, N.Y. |
| Radiotekhnika | Radiotekhnika. Moscow. |
| R. C. Accad. d'Italia | Rendiconti della Reale Accademia d'Italia. Rome. |
| RCA Rev. | RCA Review. Princeton, N.J. |
| RCA Tech. Pap. | RCA Technical Papers. Princeton, N.J. |
| Rec. Trav. Chim. Pays.-Bas. | Receuil des Travaux Chimiques des Pays-Bas. Amsterdam. |
| Rep. Brit. Elect. Allied Industr. Res. Ass. | Reports of the British Electrical and Allied Industries Research Association. London. |
| Rep. Phys. Soc. Progr. Phys. | Reports of the Physical Society on Progress in Physics. London. |
| Repr. Univ. Ill. Engng Exp. Sta. | Reprint Series of the University of Illinois Engineering Experiment Station. Urbana, Ill. |
| Research, Lond. | Research. London. |
| Rev. Alsthom. | Revue Alsthom. Paris. |
| Rev. Fac. Sci. Univ., Istanbul | Revue de la Faculté des Sciences de l'Université d'Istanbul. Turkey. |
| Rev. Gén. Élect. | Revue Générale d'Électricité. Paris. |
| Rev. Métall. | Revue de Métallurgie. Paris. |
| Rev. Mod. Phys. | Reviews of Modern Physics. New York. |
| Rev. Obr. Publ., Madr. | Revista de Obras Publicas. Madrid. |
| Rev. Opt. (Théor. Instrum.) | Revue d'Optique (Théorique et Instrumentale). Paris. |
| Rev. Sci. Instrum. | Review of Scientific Instruments. New York. |
| Rev. Sci., Paris | Revue Scientifique. Paris. |
| Rev. Tech. C.F.T.H. | Revue Technique Compagnie Française Thomson-Houston. Paris. |
| Ric. Sci. Ricostruz. | Ricerca Scientifica e Ricostruzione. Rome. (*Formerly* Ric. Sci.). |
| Riv. Nuovo Cim. | La Rivista del Nuovo Cimento. Bologna. |
| Rly Age | Railway Age. Chicago. |
| Rly Gaz., Lond. | Railway Gazette. London. |
| Rly Mech. Engr | Railway Mechanical Engineer. New York. |
| S.B. Akad. Wiss. Wien. | Sitzungsberichte der Akademie der Wissenschaften in Wien. Vienna. |
| Schweiz. Arch. angew. Wiss. Tech. | Schweizer Archiv für angewandte Wissenschaft und Technik. Solothurn, Switzerland. |
| Schweiz. Bauztg | Schweizerische Bauzeitung. Zürich. |
| Sci. Amer. | Scientific American. New York. |
| Sci. Proc., R. Dublin Soc. | Scientific Proceedings of the Royal Dublin Society. Dublin and London. |
| Sci. Progr. | Science Progress. London. |
| Science | Science. Lancaster, Pa. |
| Shipbuild. Shipp. Rec. | Shipbuilder and Shipping Record. London. |
| Sky and Telescope | Sky and Telescope. Cambridge, Mass. |
| Slabopr. Obz. | Slaboproudy Obzor. Prague. |
| Spec. Publ. U.S. Cst Geod. Surv. | Special Publications of the Coast and Geodetic Survey. Washington, D.C. |
| Stahl u. Eisen, Düsseldorf | Stahl und Eisen. Düsseldorf, Germany. |
| Steel | Steel. Cleveland, Ohio. |
| Stockholms Obs. Ann. | Stockholms Observatoriums Annaler. Stockholm. |
| Strowger J. | Strowger Journal. Liverpool. |
| Students' Quart. J. Instn Elect. Engrs | Students' Quarterly Journal of the Institution of Electrical Engineers. London. |
| Svenska VattenkrFören. Publ. | Svenska VattenkraftFöreningens Publikationer. Stockholm. |
| Tech. Mitt. Schweiz. Telegr.-TelephVerw. | Technische Mitteilungen der Schweizerischen Telegraphen-und Telephon-Verwaltung. Berne. |
| Tech. Pap. U.S. Bur. Min. | Technical Papers of the United States Bureau of Mines. Washington, D.C. |
| Tecn. Ital. | Tecnica Italiana. Trieste. |
| Tekn. Medd. K. Telegrstyr. | Tekniska Meddelanden från Kungl. Telegrafstyrelsen. Stockholm. |
| Tekn. Tidskr. | Teknisk Tidskrift. Stockholm. |
| Telecommun. J. Aust. | Telecommunication Journal of Australia. Melbourne. |
| Telegr.- Fernspr.- Funk.- u. Fernsehtech. [TFT] | Telegraphen- Fernsprech- Funk- und Fernsehtechnik. Berlin. |
| Telegr. Teleph. Age | Telegraph and Telephone Age. New York. |
| Teleph. Engr Mgmt | Telephone Engineer and Management. Chicago. |
| Telephony. | Telephony. Chicago. |
| Terr. Magn. Atmos. Elect. | Terrestrial Magnetism and Atmospheric Electricity. Baltimore, Md. |
| Tijdschr. Ned. Radiogenoot. | Tijdschrift van het Nederlandsch Radiogenootschap. Baarn, Holland. |
| Trans. Amer. Geophys. Un. | Transactions of the American Geophysical Union. Washington, D.C. |
| Trans. Amer. Inst. Elect. Engrs | Transactions of the American Institute of Electrical Engineers. New York. |
| Trans. Amer. Micr. Soc. | Transactions of the American Microscopical Society. Menasha, Wis. |
| Trans. Amer. Phil. Soc. | Transactions of the American Philosophical Society. Philadelphia. |
| Trans. Amer. Soc. Mech. Engrs | Transactions of the American Society of Mechanical Engineers. New York. |
| Trans. Chalmers Univ. Tech. Gothenburg | Transactions of the Chalmers University of Technology. Gothenburg. |
| Trans. Electrochem. Soc. | Transactions of the Electrochemical Society. New York. |
| Trans. Faraday Soc. | Transactions of the Faraday Society. London. |
| Trans. Illum. Engng Soc., Lond. | Transactions of the Illuminating Engineering Society. London. |
| Trans. Inst. Mar. Engrs | Transactions of the Institute of Marine Engineers. London. |
| Trans. Instn Engrs Shipb. Scot. | Transactions of the Institution of Engineers and Shipbuilders in Scotland. Glasgow. |
| Trans. Instn Nav. Archit. Lond. | Transactions of the Institution of Naval Architects. London. |
| Trans. N.-E. Cst Instn Engrs Shipb. | Transactions of the North-East Coast Institution of Engineers and Shipbuilders. Newcastle upon Tyne. |
| Trans. N.Y. Acad. Sci. | Transactions of the New York Academy of Sciences. New York. |

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| Trans. Roy. Soc. Can. | Transactions of the Royal Society of Canada. Ottawa. |
| Trans. Roy. Soc. Edinb. | Transactions of the Royal Society of Edinburgh. Edinburgh and London. |
| Trans. S. Afr. Inst. Elect. Engrs | Transactions of the South African Institute of Electrical Engineers. Johannesburg. |
| *Transp. World | Transport World. London. |
| *Travaux. | Travaux. Paris. |
| *Univ. Lund (Thesis Phys. Inst.) | University of Lund. Thesis of the Physics Institute. Lund, Sweden. |
| Vestn. Elektropromm. | Vestnik Elektroprommishlennosti. Moscow. |
| Vestn. Svyazi | Vestnik Svyazi. Moscow. |
| *Weld. Engr | Welding Engineer. Chicago. |
| Westingho. Engr | The Westinghouse Engineer. East Pittsburgh, Pa. |
| Wireless Engr | Wireless Engineer. London. |
| Wireless World | Wireless World. London. |
| *Wiss. Veröff. Siemens-Werk. | Wissenschaftliche Veröffentlichungen aus den Siemens-Werken. Berlin. |
| Z. Astrophys. | Zeitschrift für Astrophysik. Berlin. |
| *Z. Instrumkde | Zeitschrift für Instrumentenkunde. Berlin. |
| Z. Naturforsch. | Zeitschrift für Naturforschung. Wiesbaden, Germany. |
| Z. Phys. | Zeitschrift für Physik. Berlin. |
| *Z. techn. Phys. | Zeitschrift für technische Physik. Leipzig. |
| *Z. Ver. dtsch. Ing. [VDI] | Zeitschrift des Vereines deutscher Ingenieure. Berlin. |

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## ERRATA

Abstr. 591, line 2: *for* Watson, A. D. G., *read* Watson, A. G. D.
Abstr. 619, line 2: *for* Prigorine, I., *read* Prigogine, I.
Abstr. 712, line 2: *for* Dighton, D. R., *read* Dighton, D. T. R.
Abstr. 820, line 1: *for* dissociation *read* disruption.
Abstr. 946, line 2: *for* Inghram, M. C., *read* Inghram, M. G.
Abstr. 1030, line 3: *for* Jeffreys, G. A., *read* Jeffrey, G. A.
Abstr. 1039, line 4: *for* (1944) *read* (1945).
Abstr. 1046, line 1: *for* Burgess, W. G., *read* Burgers, W. G.
Abstr. 1392, lines 2 and 3: *for* (*Nov.*, 1946) *read* (*Sept.*, 1946).
Abstr. 1396, line 2: *for* **105**, 60–74 (*Jan.*, 1947) *read* **104**, 60–74 (*July*, 1946).
Abstr. 1397, line 3: *for* **105**, 87–109 (*Jan.*, 1947) *read* **104**, 87–109 (*July*, 1946).
Abstr. 1400, line 2: *for* (*Nov.*, 1946) *read* (*Sept.*, 1946).
Abstr. 1406, lines 2 and 3: *for* (*Nov.*, 1946) *read* (*Sept.*, 1946).
Abstr. 1409, lines 2 and 3: *for* (*Nov.*, 1946) *read* (*Sept.*, 1946).
Abstr. 1412, lines 2 and 3: *for* **104**, 369–72 (*Nov.*, 1946) *read* **103**, 371–4 (*May*, 1946).
Abstr. 1417, line 4: *for* **105**, 82–6 (*Jan.*, 1947) *read* **104**, 82–6 (*July*, 1946).
Abstr. 1555, line 3: *for* Cacciapuoti, B. V., *read* Cacciapuoti, B. N.
Abstr. 1638, line 1: *for* Esterman, I., *read* Estermann, I.
Abstr. 1651, line 2: *for* Burcham, W. F., *read* Burcham, W. E.
Abstr. 1806, line 2: *for* 323–5 (*March*, 1947) *read* 844–6 (*Sept.*, 1947).
Abstr. 1907, line 2: *for* Sandford, R. L., *read* Sanford, R. L.
Abstr. 1954, line 2: *for* Turkell, S., *read* Turkel, S.
Abstr. 2494, line 2: *for* Nielson, A. H., *read* Nielsen, A. H.
Abstr. 2904, line 2: *for* LaRoque, A. P., *read* LaRocque, A. P.
Abstr. 3333, line 3: *for* (*Jan.*, 1947) *read* (*Feb.*, 1947).

### 1946

Abstr. 3200 (1946), line 1: *for* **104** *read* **103.**